## **EAST Search History**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	7	("6183614").PN. OR ("6491801").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 17:50
L3	18	("4622121"   "4865712"   "5171415"   "5188717"   "5252194"   "5314597"   "5482611"   "5593551"   "6193854"   "6432285"   "6444105"   "647796"   "6613199"   "663425").PN. OR ("7179351").URPN.	US-PCPUB; USPAT; USOCR	ADJ	ON	2009/06/23 17:50
L4	653	(sputter or sputtering) and ((unbalanced or asymmetric) with (magnetron or magnet))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 17:53
L5	653	(sputter or sputtering) and ((unbalanced or asymmetric) with (magnetron or magnet))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:53
L6	0	I5 and (magnetic with (flux of field))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
L7	0	(magnetic with (flux of field))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
L8	401	I5 and (magnetic with (flux or field))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
L9	297	l8 and (rf or (radio near1 frequency))	US-PGPUB; USPAT	ADJ	ON	2009/06/23 17:54
SI	0	("524560" "5455197" "5556519" "5069772" "5152001" "6155200" "6156170" "617454" "5685959" "4284924" "4500408" "4581118" "5736019" "4155225" "4277304" "4312731" "4324968" "44414086" "44457825" "4461688" "4500409" "452639" "4600490" "4786361" "48427030" "487264" "5188717" "5211824" "5227698" "5262030" "5302266" "5314575"	US-PGPUB; USPAT	ADJ	ON	2007/07/11

		"5330606" "5368684" "5409590" "5441614" "5593539" "5705081" "5759066" "5827414" "5855744" "5865744" "5865744" "5865744" "63685970" "55932488" "6358297" "6358297" "6358297" "6358297" "6358297" "6358274" "20020175074" "20020175074" "4445976" "44659763" "44597847" "5232569" "435655" "4395655" "4629548" "4854263" "4395655" "4629548" "4854263" "4391640" "5227139" "5376211" "5660671" "5773100" "5888338" "6014943" "6040022" ), pn.				
82	75	(("5234560") or ("545519") or ("5556519") or ("5556519") or ("5556519") or ("5556519") or ("5556519") or ("55680772") or ("5182001") or ("6155200") or ("6155200") or ("6155170") or ("615454") or ("617454") or ("617454") or ("4284924") or ("4284924") or ("4277304") or ("4312731") or ("4312731") or ("4312731") or ("4312731") or ("441688") or ("441688") or ("444668") or ("4457825") or ("4457825") or ("4572759") or ("4500492") or ("4572759") or ("4560492") or ("4572759") or ("4560492") or ("4572759") or ("4572759") or ("4572759") or ("4572759") or ("4572759") or ("5526393") or ("5526393") or ("5526393") or ("55276983") or ("55276983") or ("55276983") or ("55276983") or ("552266000") or ("552276983") or ("552266000") or ("5522266") or ("55022266") or ("5502266") or ("55022600")	US-PGPUB; USPAT	OR	OFF	2007/07/11

S7	13	(("6682637") or ("6860977") or	US-PGPUB; USPAT	OR	OFF	2007/07/11 13:55
		("5234560") or	USFAT		***************************************	13.33
	1	("5292417") or			ì	
		("5423970") or				
		("6878248") or ("6176979") or				
	1	("5490913") or				
		("5688381") or				
		("5833823") or				
		("6093293") or			•	
	1	("6540883") or				
		("6454920") or			•	
	1	("6682637") or			•	
		("6860977")).PN.				
S8	4	ep-1067577-\$.did. or wo-	EPO; JPO;	ADJ	ON	2007/07/11
		2004017356-\$.did.	DERWENT			13:57
S9	0	"10798331".ap.	US-PGPUB; USPAT	ADJ	ON	2007/07/12 11:41
S10	0	"10798331".app.	US-PGPUB:	ADJ	ON	2007/07/12
			USPAT			11:42
S11	1	"10/798331".app.	US-PGPUB;	ADJ	ON	2007/07/12
			USPAT			11:42
S12	1	("5744011").PN.	US-PGPUB;	OR	OFF	2007/07/13
			USPAT			17:12
S13	2	09/546798.app. or	US-PGPUB;	ADJ	ON	2007/07/16
		09/414614.app.	USPAT			14:47
S14	0	("200400356").PN.	US-PGPUB;	OR	OFF	2007/07/17
***********			USPAT			12:22
S15	1	("20040035692").PN.	US-PGPUB;	OR	OFF	2007/07/17
			USPAT			12:22
S16	3	(SIP or (self-ionized	US-PGPUB;	ADJ	ON	2007/07/23
		plasma)) and (duty adj	USPAT			11:04
		(cycle or ratio)) and (Khz				
		or kilohertz) and sputter and target				
S17	3		LIO DODI ID	ADJ	ON	10007/07/00
517	3	(SIP or (self-ionized plasma) or (self ionized	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:05
		plasma)) and (duty adj	USPAT			11.05
		(cycle or ratio)) and (Khz				
		or kilohertz) and sputter				
		and target			***	
S18	3	(SIP or (self-ionized	US-PGPUB;	ADJ	ON	2007/07/23
		plasma) or (self ionized	USPAT			11:05
		plasma)) and (duty adj				
		(cycle or ratio)) and (kHz				
		or kilohertz) and sputter				
	1	and target			}	

<b>S</b> 19	19	(SIP or (self-ionized plasma) or (self ionized plasma)) and (duty adj (cycle or ratio)) and (kHz or kilohertz or MHz or megahertz) and sputter and target	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:15
S20	93	(duty adj (cycle or ratio)) and (kHz or kilohertz or MHz or megahertz) and sputter and target and plasma and magnetron	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:19
S21	1	("20040020768").PN.	US-PGPUB; USPAT	OR	OFF	2008/02/20 15:58
S22	2	(("5242566") or ("5320728")).PN.	US-PGPUB; USPAT	OR	OFF	2008/02/21 13:37
S23	205483	(asymmetr\$5 or nonsymmetr\$5 or non- symmetr\$5)	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:28
S24	466	unbalanced with magnetron	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:29
<b>S2</b> 5	85	S23 and S24	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:29
S26	76	S23 and S24 and (sweep \$3 or rotat\$5)	US-PGPUB; USPAT	ADJ	ON	2008/02/21 14:29
S27	1	("20030173215").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/02 16:08
S28	73	unbalanced and (sputter or suttering) and (swept or sweep or sweeping)	US-PGPUB; USPAT	ADJ	ON	2008/10/02 16:10
S29	118	unbalanced and (sputter or sputtering) and (swept or sweep or sweeping)	US-PGPUB; USPAT	ADJ	ON	2008/10/02 16:10
S30	13	("5417833"   "5660744"   "6217716"   "6251242"   "6277249"   "6352629"   "6406599"   "6436251"   "6444104"   "6451177"   "6485617"   "6485618"), PN. OR ("6837975"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	MON Management	2008/10/02 16:42

## 6/23/2009 5:55:09 PM

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